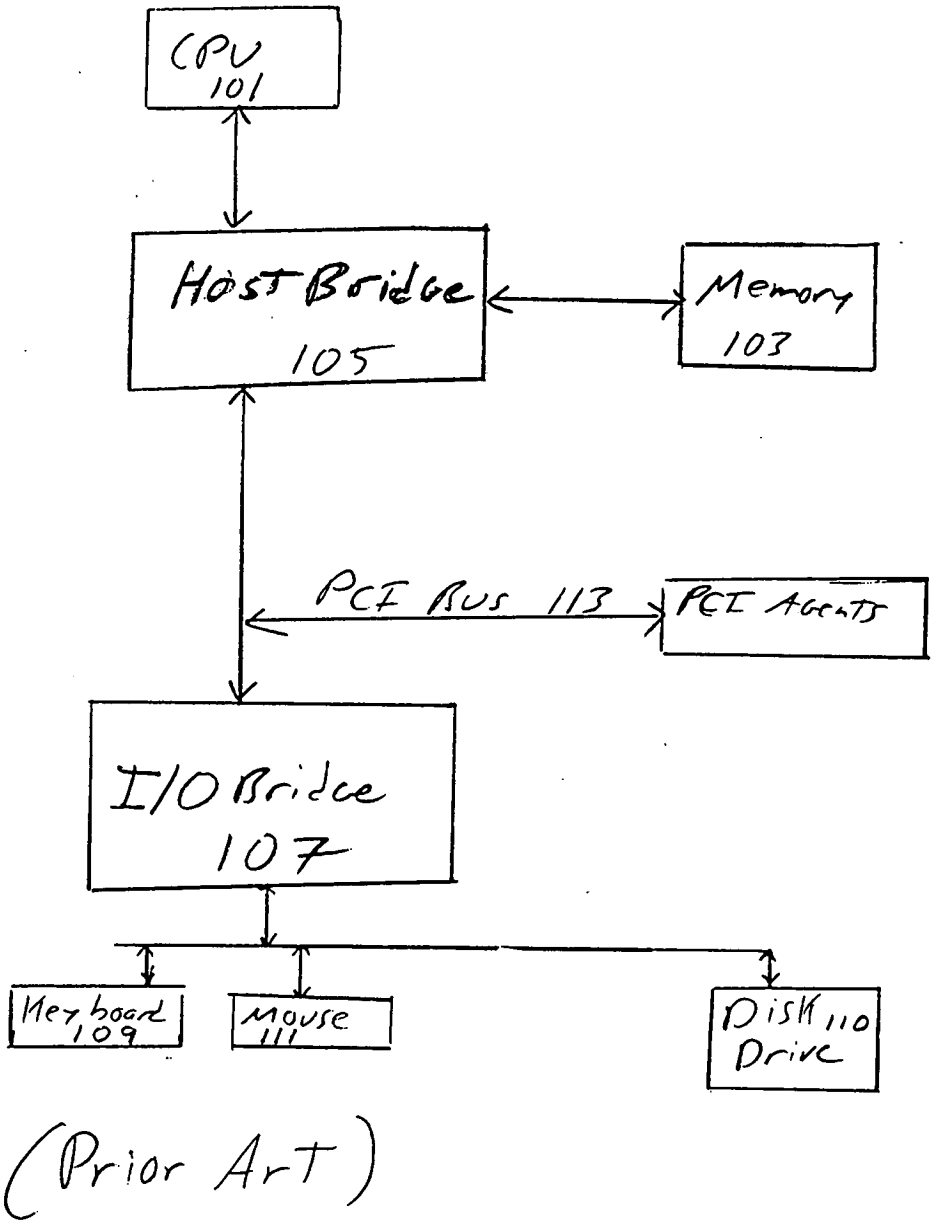

(Prior Art)

Fig. 1

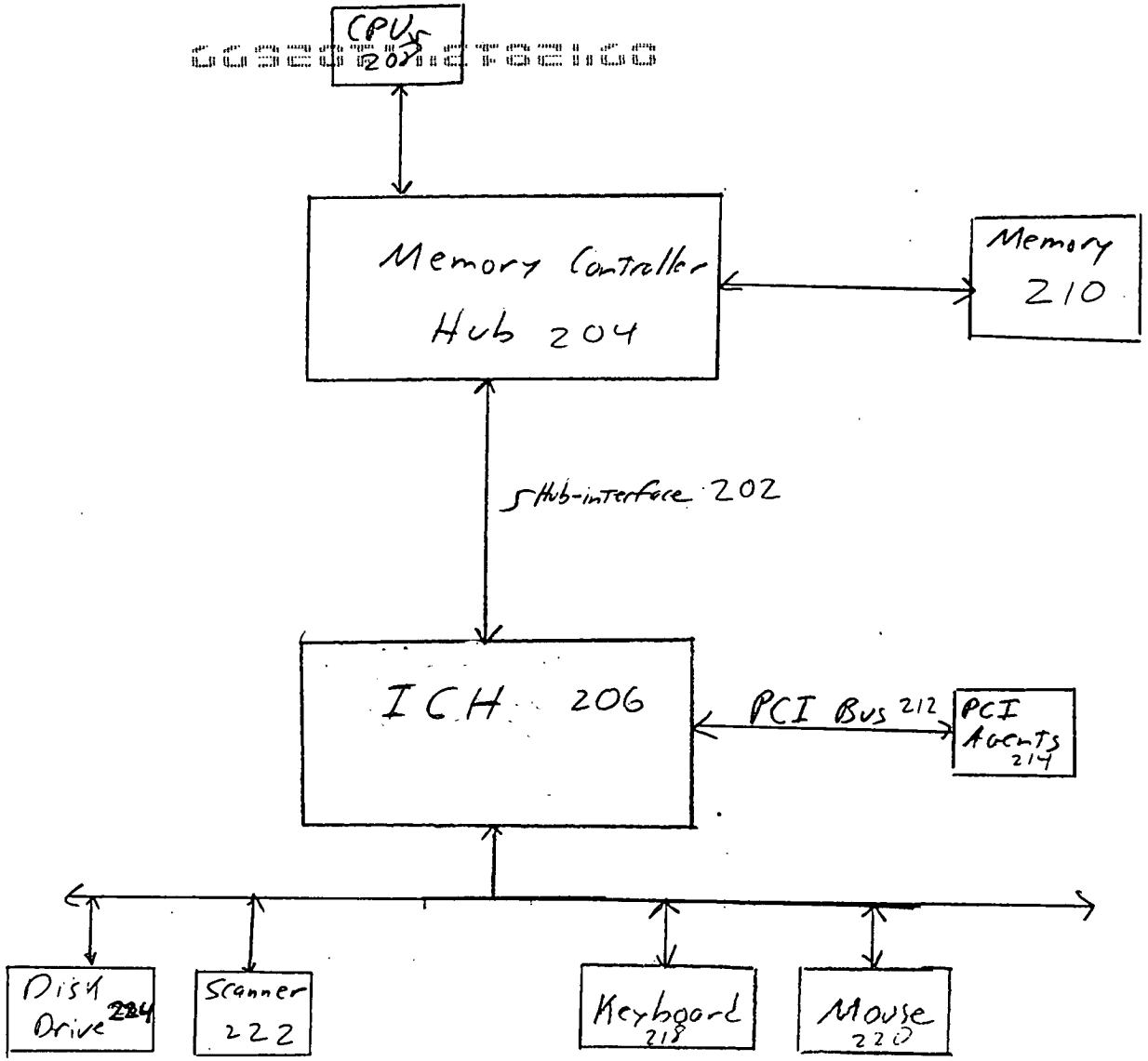
CPU
208
Memory Controller Hub 204
Memory 210
Hub-interface 202
ICH 206
PCI Bus 212
PCI Agents 214
Disk Drive 224
Scanner 222
Keyboard 218
Mouse 220

Fig. 2

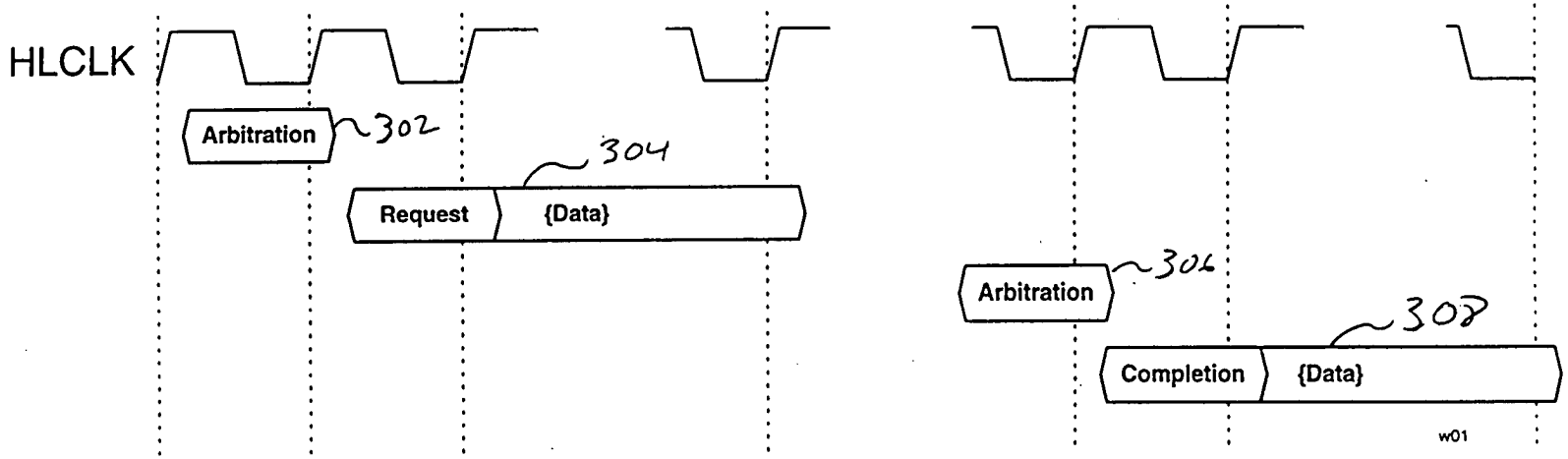

Fig. 3

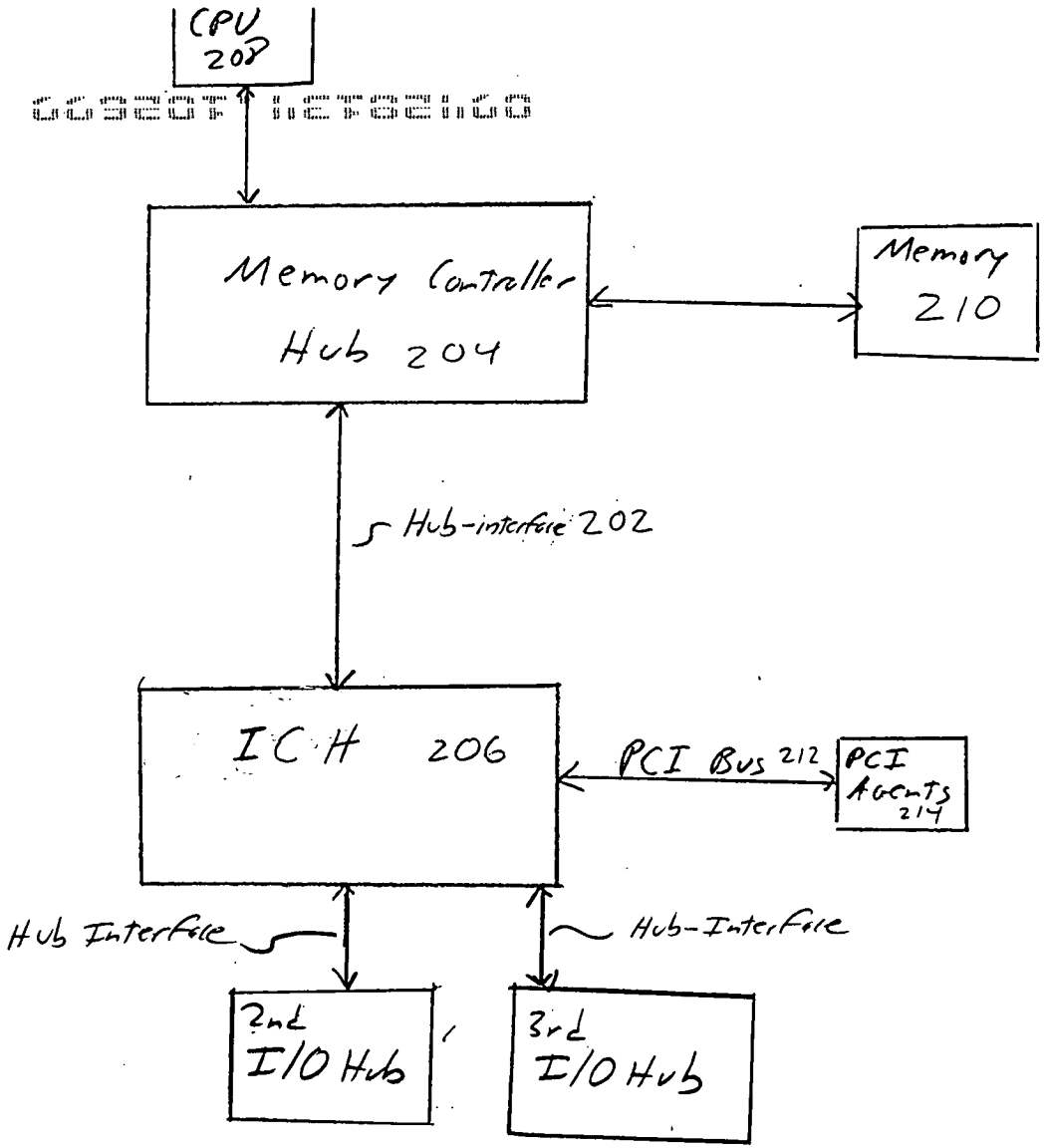
CPU
208
Memory Controller
Hub 204
Memory
210
Hub-interface 202
ICH 206
PCI Bus 212
PCI
Agents
214
Hub Interface
Hub-Interface
2nd
I/O Hub
3rd
I/O Hub

Fig. 4

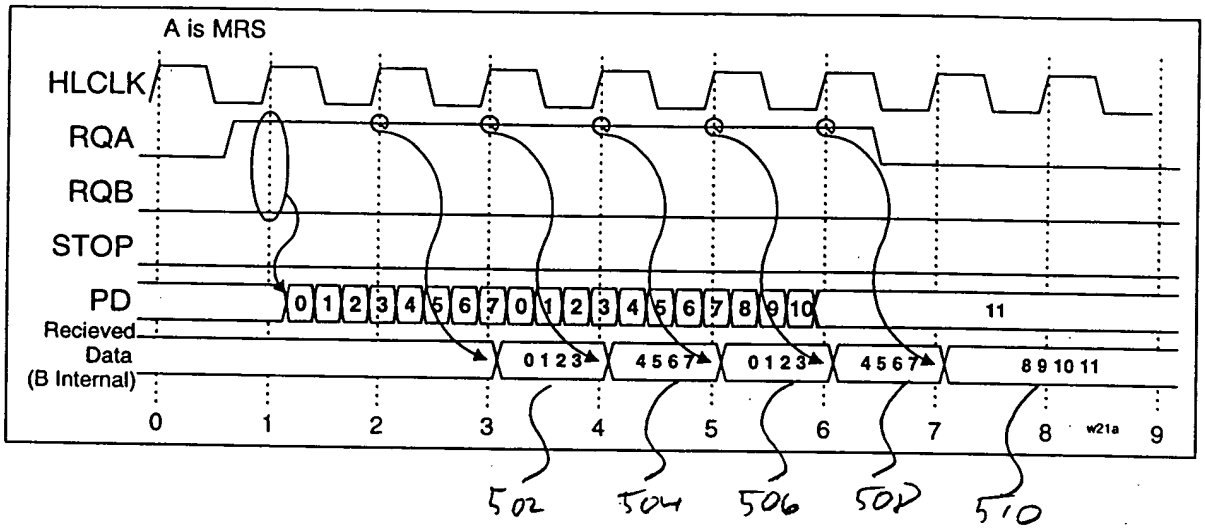
A is MRS
HLCLK
RQA
RQB
STOP
PD
Recieved Data (B Internal)
0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 8 9 10
11
0 1 2 3
4 5 6 7
0 1 2 3
4 5 6 7
8 9 10 11
0 1 2 3 4 5 6 7 8 9
w21a
502
504
506
508
510

FIG. 5

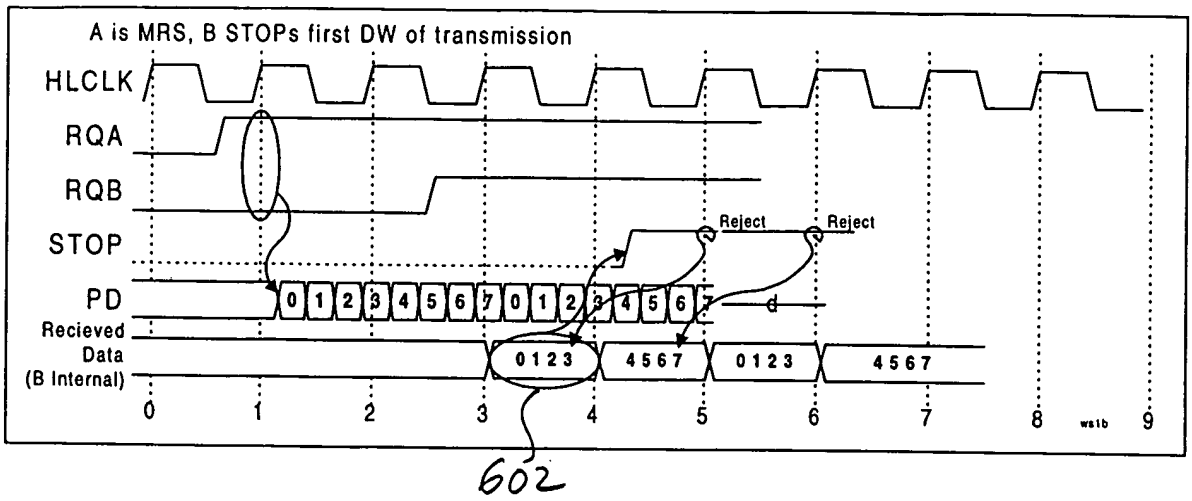
A is MRS, B STOPs first DW of transmission
HLCLK
RQA
RQB
STOP
PD
Recieved Data (B Internal)
Reject
Reject
0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7
d
0123
4567
0123
4567
0 1 2 3 4 5 6 7 8 9
602

Fig. 6

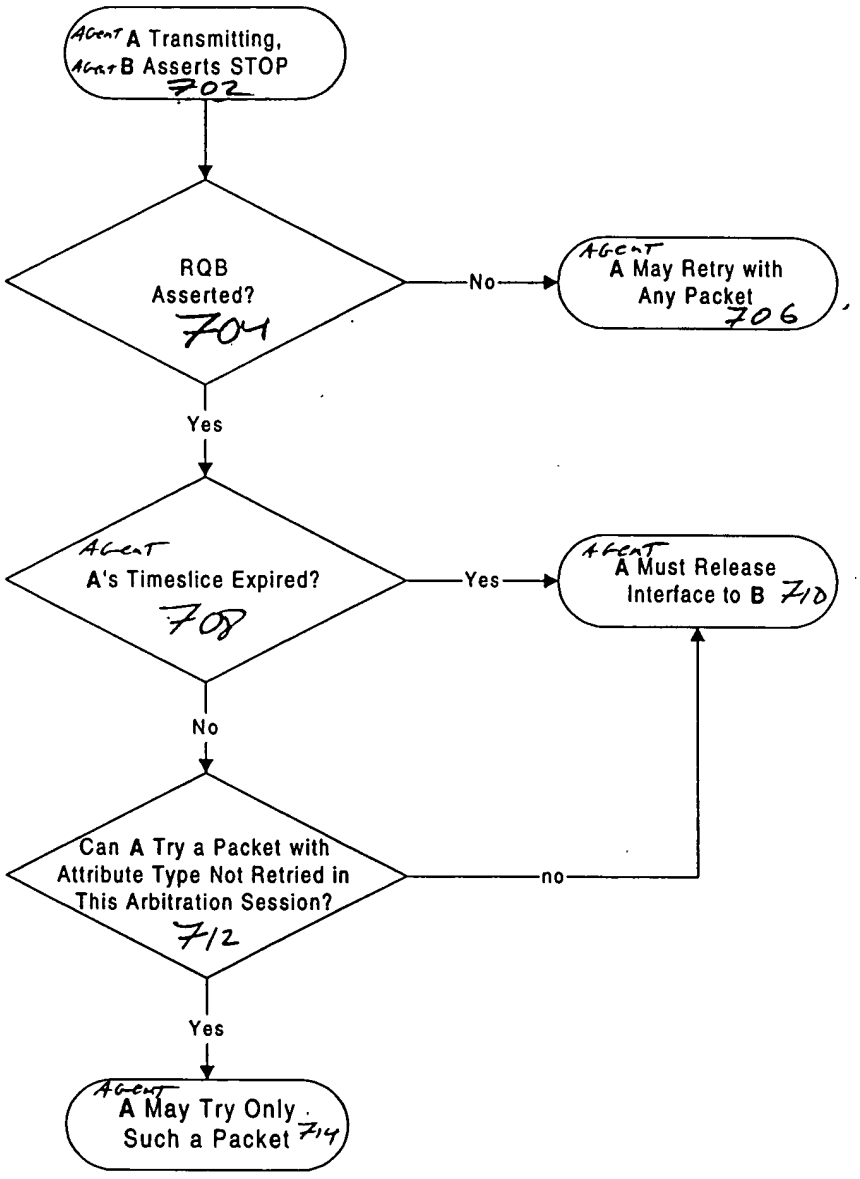
Agent A Transmitting, Agent B Asserts STOP
702
RQB Asserted?
704
No
Agent A May Retry with Any Packet
706
Yes
Agent A's Timeslice Expired?
708
Yes
Agent A Must Release Interface to B
710
No
Can A Try a Packet with Attribute Type Not Retried in This Arbitration Session?
712
no
Yes
Agent A May Try Only Such a Packet
714

Fig. 7

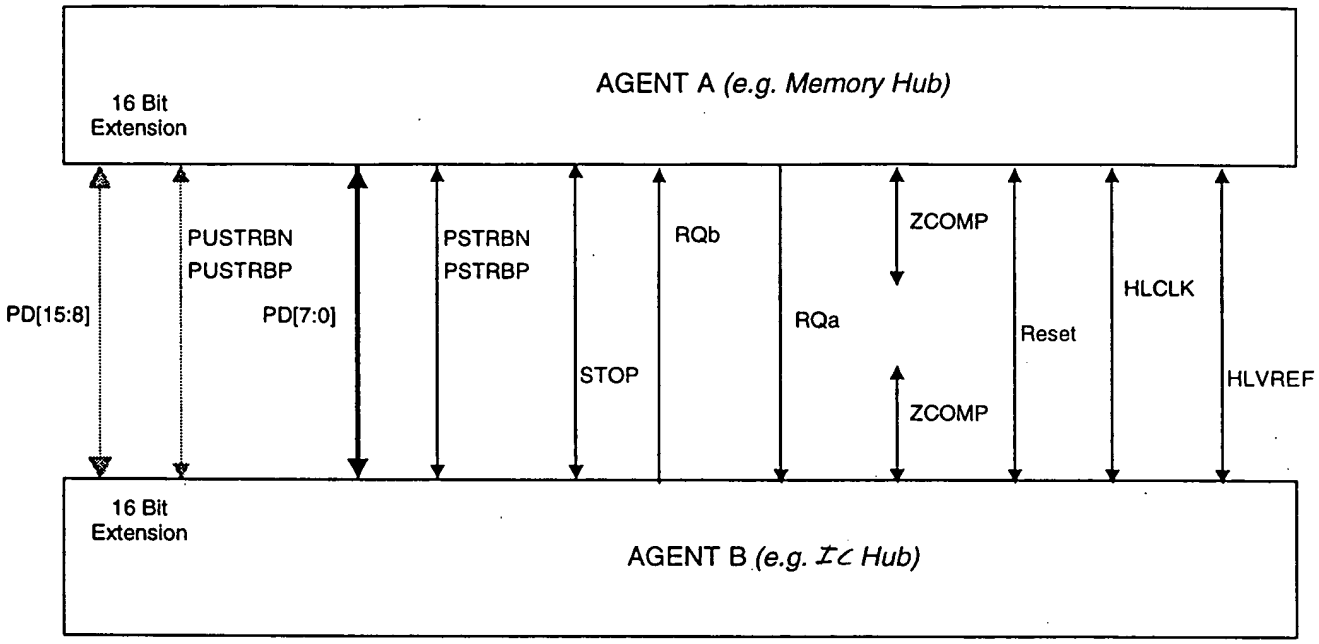
AGENT A (e.g. Memory Hub)
16 Bit Extension
PUSTRBN
PUSTRBP
PD[15:8]
PD[7:0]
PSTRBN
PSTRBP
STOP
RQb
RQa
ZCOMP
ZCOMP
Reset
HLCLK
HLVREF
16 Bit Extension
AGENT B (e.g. I²C Hub)

Fig. 8

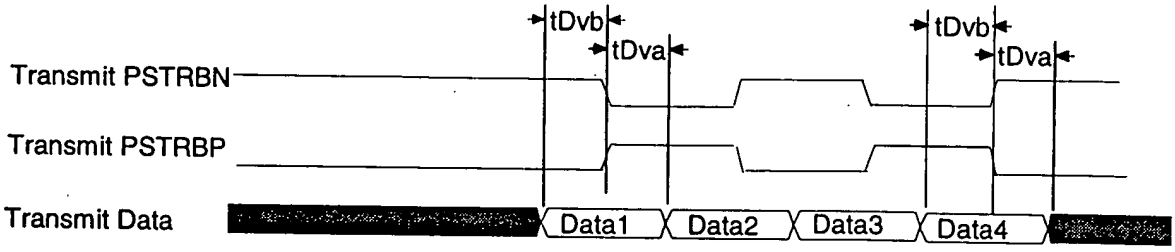
tDvb
tDva
tDvb
tDva
Transmit PSTRBN
Transmit PSTRBP
Transmit Data
Data1
Data2
Data3
Data4

Fig. 9

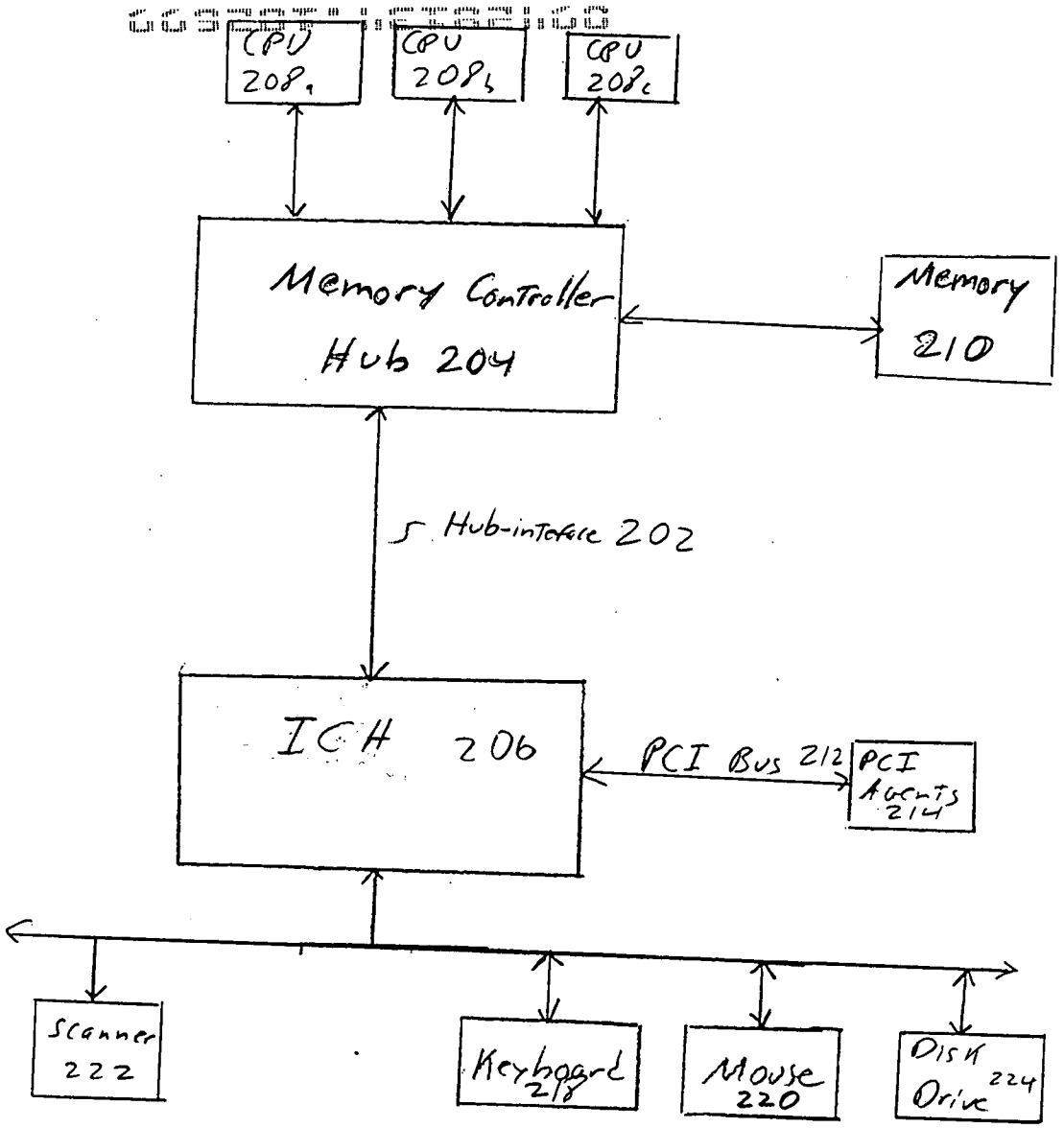
CPU 208a
CPU 208b
CPU 208c
Memory Controller Hub 204
Memory 210
Hub-interface 202
ICH 206
PCI Bus 212
PCI Agents 214
Scanner 222
Keyboard 218
Mouse 220
Disk Drive 224

FIG. 10

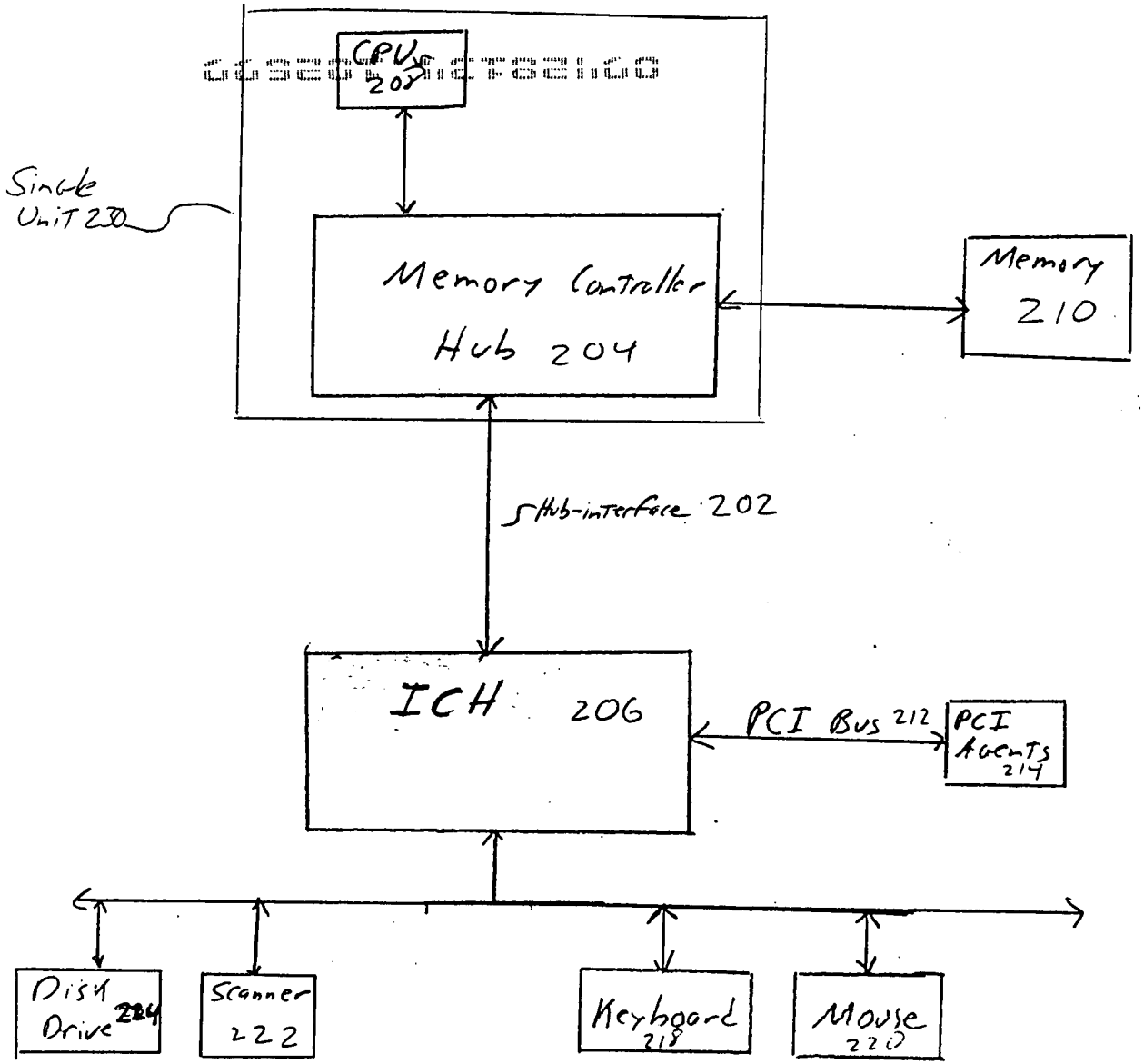
CPU 208
Single Unit 230
Memory Controller Hub 204
Memory 210
Hub-interface 202
ICH 206
PCI Bus 212
PCI Agents 214
Disk Drive 224
Scanner 222
Keyboard 218
Mouse 220

Fig. 11

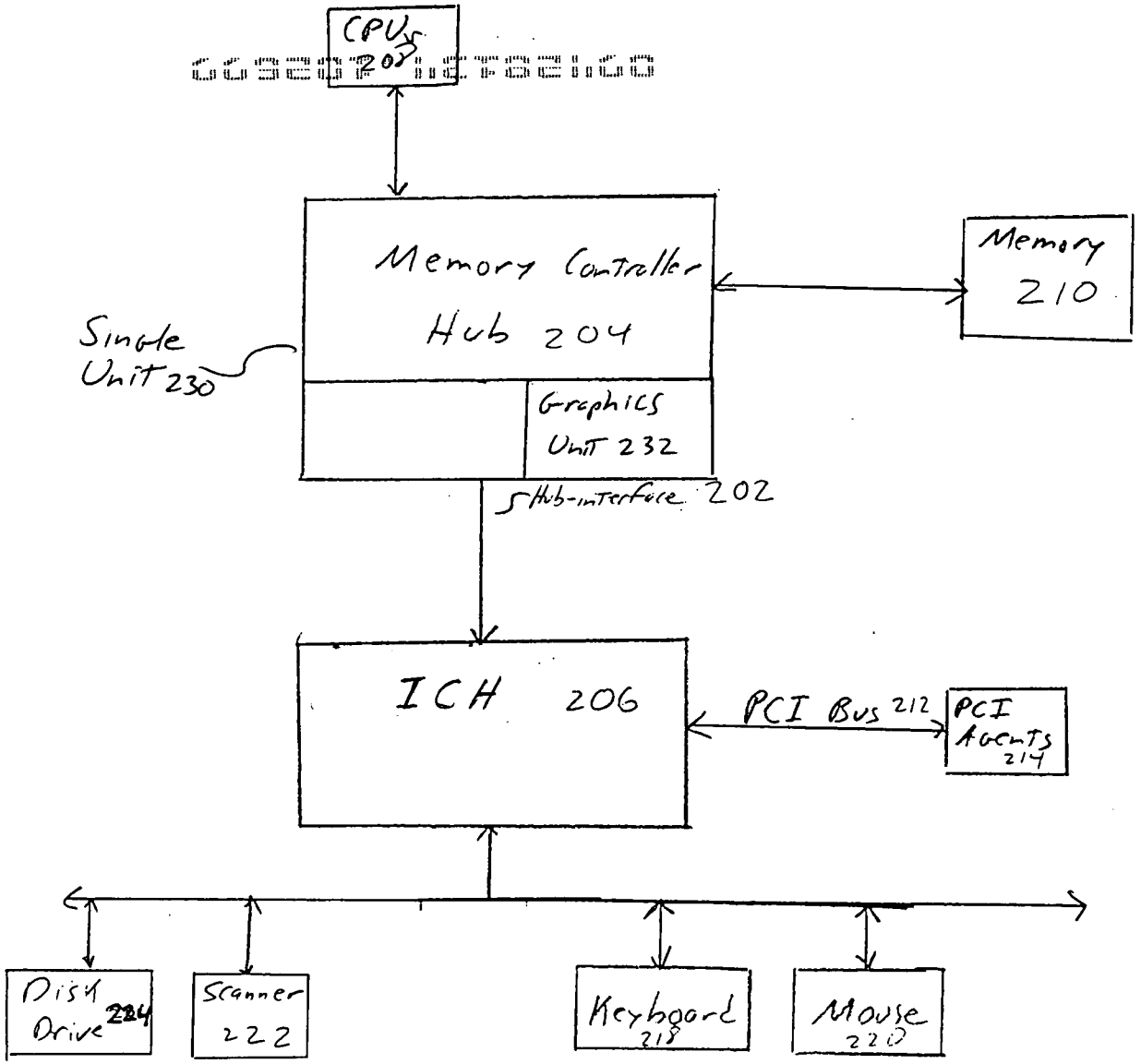
CPU 205
Memory Controller Hub 204
Memory 210
Single Unit 230
Graphics Unit 232
Hub-interface 202
ICH 206
PCI Bus 212
PCI Agents 214
Disk Drive 224
Scanner 222
Keyboard 218
Mouse 220

Fig-12